

find V(t), V(t), Vtotal

e y = t + c,

$$it) = \begin{cases} 2 \\ -t+4 \\ -2 \end{cases}$$

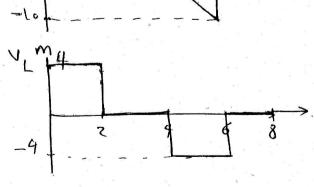
$$y(0) = 0 \implies C_1 = 0$$
 $x y_2' = -t + C_2$
 $y(4) = 0 = -4 + C_2$
 $y(4) = C_2 = 4$
 $y(4) = \sqrt{2} + C_2$

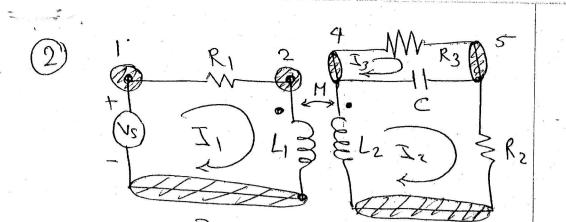
$$\sqrt{\eta} = \Gamma \frac{d\tau}{d\eta}$$

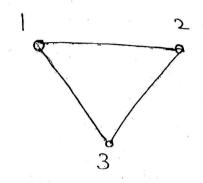
o<t<1

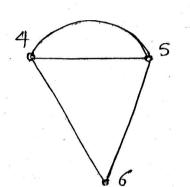
$$C(t) \begin{cases} 4m & 0 < t < 2 \\ 0 & 2 < t \leq 9 \end{cases}$$

NR.				
10 7				
10				
* * * * * * * * * * * * * * * * * * * *	2	4	8	7
-10			1	
V. MIL				









Loop 1:-

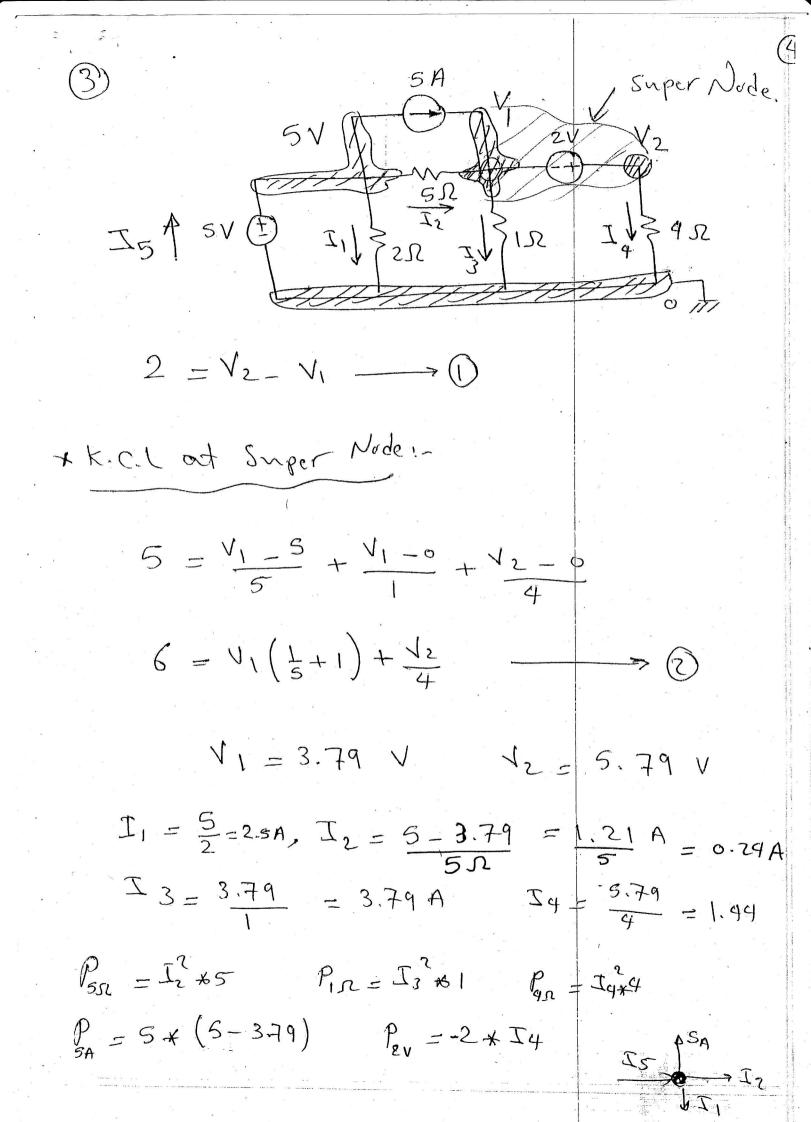


* K.V. L for Loop 2:

$$V_{L2} = L_2 \frac{di_2}{dt} - M \frac{di_1}{dt}$$

Ky. L for Loops:

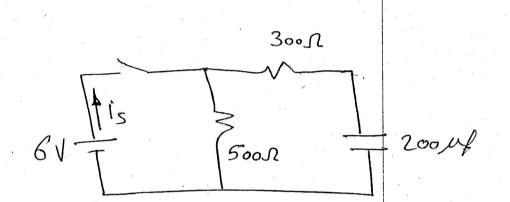
$$0 = I_3 R_3 + \frac{1}{C} \int (I_3 - I_2) dt$$





ă Huzarpen-arăț pat madeli lului anulă licilui AGAST VI-+1 - VYVI-V311





$$i(0) = \frac{6}{300/1500}$$

$$= \frac{6}{187.5} = 32mA$$

$$i_c(t) = Ke^{-\frac{t}{T}}$$

$$i_c(t) = Ke^{-\frac{t}{Soms}}$$

$$(p(t)) = \frac{6}{500} = 12 \text{ mA}$$

$$(i't) = (i'ct) + i'p(t)$$

$$l'(t) = Ke^{\frac{-t}{60ms}} + 12mA$$

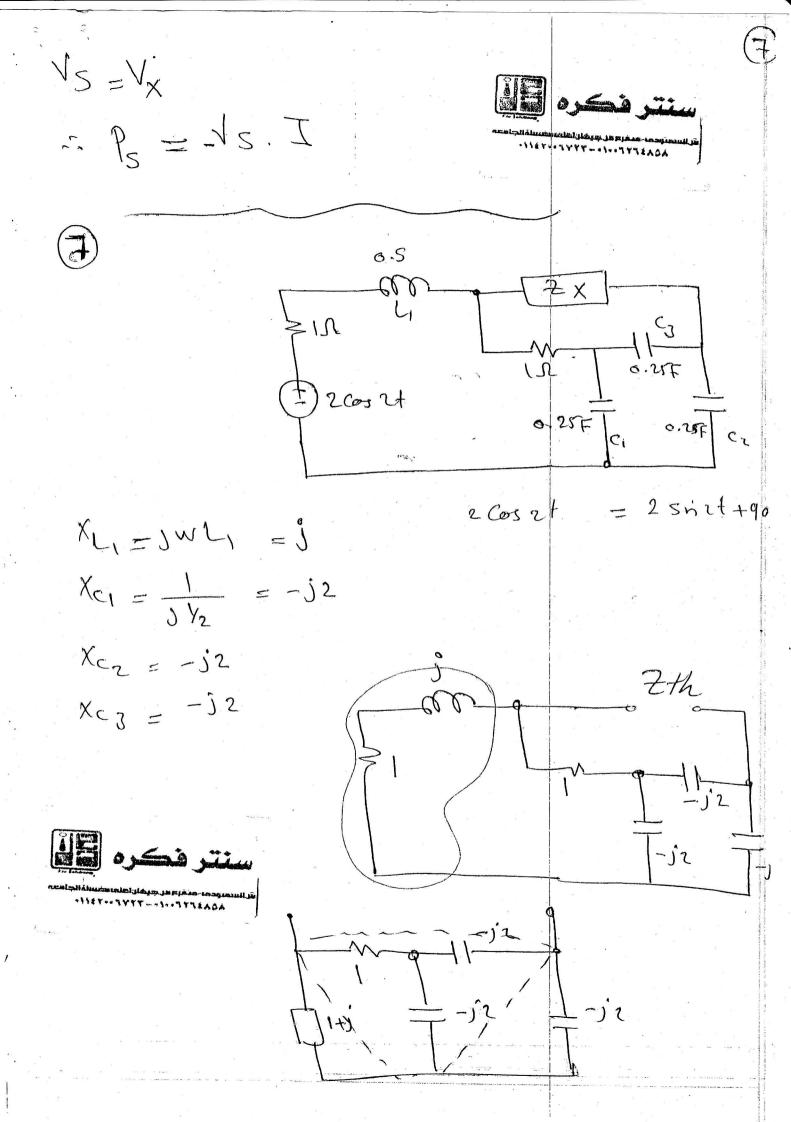
$$i(0) = 32mA = Ke + 12mA$$
 $= 20mA$
 $\frac{-t}{60ms}$
 $i(t) = 20mA + 12mA$

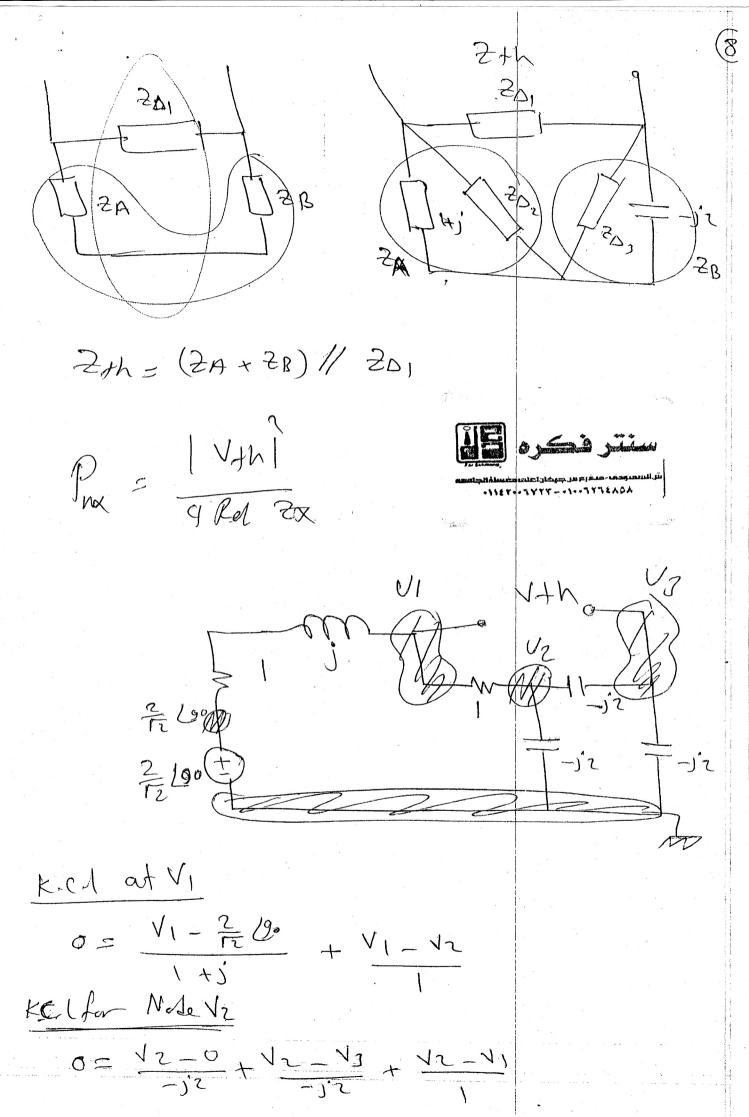
$$I_{1} = \frac{\sqrt{3}}{3} = \frac{45}{3} = 15$$

$$V_{X} = I_{1} \times (3-j3) = 15(3-j3)$$

= 45 + j 45

$$I_2 = \frac{V_X}{S - j_2} = \frac{45 - j_{45}}{5 - j_2}$$



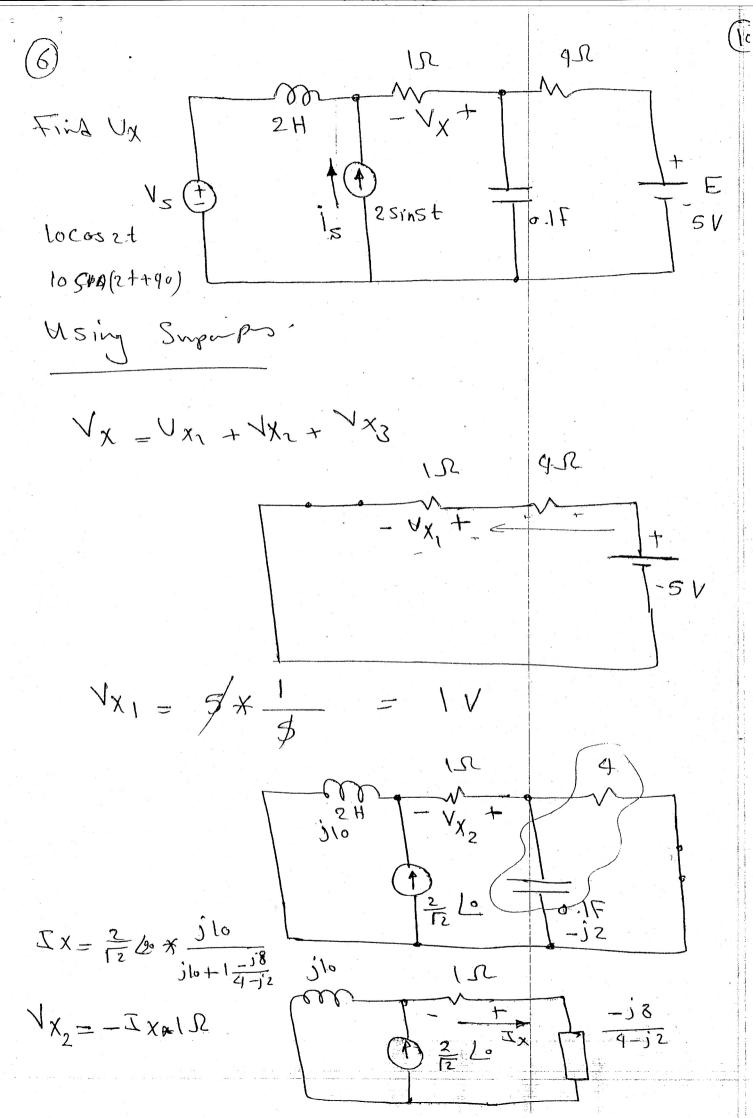


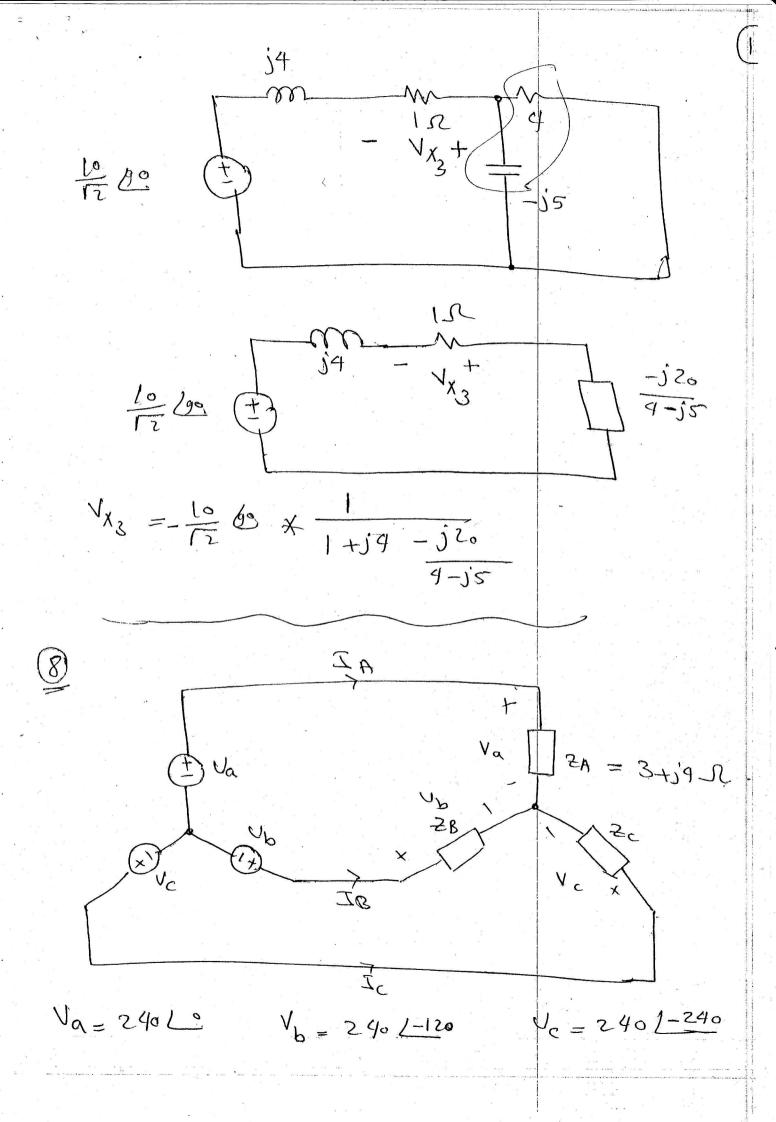
$$0 = \frac{\sqrt{3} - 0}{-j2} + \frac{\sqrt{3} - \sqrt{2}}{-j2}$$

V1, V2, V3 20 22, 67 dr.

[= 1+r = 11-13/







$$I_{A} = I_{a} = \frac{240 L^{2}}{3+j4} = \frac{240 L^{6}}{5 / 53.13} = \frac{48 / -53.13}{5 / 53.13}$$

$$I_{B} = \frac{240 / -120}{5 / 53.13} = 48 / -173.13$$

$$Ic = Ic = \frac{240/-140}{5/53.13} = 48/2-293.13$$

$$P.f = Coo \theta z$$

$$P.f = 0.3$$

For the Hz

$$\begin{cases}
V = \frac{1}{P_1 + jwL} + \frac{1}{R_2 + jwC}
\end{cases}$$

$$\begin{cases}
V = \frac{1}{R_1 + jwL} + \frac{R_2 - jwC}{R_1 - jwL}
\end{cases}$$

$$\begin{cases}
V = \frac{1}{R_1 + jwL} + \frac{R_2 - jwC}{R_1 - jwL}
\end{cases}$$